



*New Levels of System Integration*



*The Low-Risk Path to 3.125-Gbps  
Transceiver Applications*



*The Lowest-Cost FPGA Ever*



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**Altera® Design Software  
for PCs**

Altera® Design Software for PCs

Quartus® II Software Version 2.2



QUARTUS® **II**





## Altera Design Software

Owning an Altera® software subscription entitles you to use the latest version of Altera's comprehensive environment for system-on-a-programmable-chip (SOPC) design, including—

- System-level design
- Embedded software development
- Programmable logic device (PLD) design
- Synthesis
- Place and route
- Verification and simulation

The Quartus® II design software is the foundation of the SOPC design environment, and is the primary design software contained in this package. While the Quartus II software contains every required technology to complete an SOPC design, an Altera software subscription also enables you to use the other software products contained in this package to augment your design flow.

## Quartus II Tutorial

The Quartus II software includes a tutorial to walk you through creating a project and performing common design, synthesis, place-and-route, and verification tasks. The Quartus II software also includes advanced tutorials to help you quickly master designing with the latest devices and methodologies, such as using a LogicLock™ block-based design flow, and designing for Stratix™ and Excalibur™ devices.

## Quartus II Release Notes

For the latest information on new features, device support, EDA interface support, and known issues and workarounds for the Quartus II software, refer to the *Quartus II Software Release Notes* document, which is available from the Literature section of the Altera web site at [http://www.altera.com/literature/rn/rn\\_qts.pdf](http://www.altera.com/literature/rn/rn_qts.pdf).

## Obtaining a License File

You must have a valid, unexpired Altera license file in order to use the Altera software provided in this package. If you need to obtain a license file, follow the instructions in the enclosed *Altera CD Installation Guide* or go the Licensing section of the Altera web site at <http://www.altera.com>.

By using the programs included on the enclosed Altera CD-ROMs, you indicate that you have read and accepted the terms of the Altera software license agreement.

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**ALTERA®**

**Altera® CD  
Installation Guide**



**QUARTUS® II**

**ALTERA®**

**VHDL & Verilog HDL  
Synthesis & Simulation  
Tools for Use With the  
Quartus® II & MAX+PLUS® II  
Software**

**Mentor  
Graphics**



**Model Technology**  
A MENTOR GRAPHICS COMPANY